

| Ref # | Hits | Search Query               | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|----------------------------|---|------------------|---------|------------------|
| L1    | 26   | "5216262"                  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2004/12/27 11:03 |
| L2    | 21   | 1 and superlattice\$1      | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2004/12/27 11:06 |
| L3    | 86   | oxygen near monolayer      | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2004/12/27 11:07 |
| L4    | 8436 | superlattice\$1            | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2004/12/27 12:49 |
| L5    | 1999 | super near lattice\$1      | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2004/12/27 11:08 |
| L6    | 5    | 3 and 4                    | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2004/12/27 11:08 |
| L7    | 2079 | transitor                  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2004/12/27 12:49 |
| L8    | 2766 | lateral near transistor\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2004/12/27 12:50 |
| L9    | 12   | 4 and 8                    | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2004/12/27 12:50 |

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|-----|--------|--------------------|---|----|-----|------------------|
| L10 | 1      | 9 and monolayer\$1 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 13:00 |
| L11 | 0      | 9 and 3            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 13:06 |
| L12 | 28     | 257/150.ccls.      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 13:08 |
| L13 | 293337 | "257"/\$.ccls.     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 13:08 |
| L14 | 309    | 257/15.ccls.       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 13:09 |
| L15 | 0      | 3 and 14           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 13:09 |
| L16 | 0      | 14 and 7           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 13:09 |
| L17 | 54     | 14 and channel     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 13:14 |
| L18 | 41     | 14 and 5           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 13:10 |
| L19 | 42022  | monolayer\$1       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 13:16 |

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| L20 | 3     | 18 and 19          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 13:22 |
| L21 | 10    | 17 and 19          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 13:17 |
| L22 | 3663  | mono near layer\$1 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 13:47 |
| L23 | 9911  | 4-5                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 13:47 |
| L24 | 3723  | 13 and 23          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 13:48 |
| L25 | 44758 | 19-22              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 13:48 |
| L26 | 628   | 24 and 25          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 13:49 |
| L27 | 346   | 26 and oxygen      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 13:49 |
| L28 | 199   | 27 and channel\$1  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 13:56 |
| L29 | 426   | mono near atomic   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 13:57 |

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| L30 | 1  | 28 and 29  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 14:08 |
| L31 | 64 | 27 and FET | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 14:09 |
| L32 | 51 | 28 and FET | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 15:09 |
| L33 | 10 | "6376337"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 15:09 |
| L34 | 4  | 33 and 23  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 15:09 |

| Ref # | Hits  | Search Query          | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|-------|-----------------------|---|------------------|---------|------------------|
| L1    | 8436  | superlattice\$1       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2004/12/27 16:37 |
| L2    | 1999  | super near lattice\$1 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2004/12/27 16:37 |
| L3    | 60929 | germanium             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2004/12/27 16:38 |
| L4    | 42452 | monolayer\$2          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2004/12/27 16:39 |
| L5    | 3968  | mono near layer\$2    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2004/12/27 16:39 |
| L6    | 239   | 3 near 4              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2004/12/27 16:39 |
| L7    | 228   | 1 and 6               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2004/12/27 17:19 |
| L8    | 3     | 3 adj 4               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2004/12/27 16:48 |
| L9    | 8     | ge adj monolayer\$1   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2004/12/27 17:15 |

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|-----|--------|---------------------------------------|---|----|-----|------------------|
| L10 | 15     | SiO\$1 near monolayer\$1              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 17:17 |
| L11 | 8      | "5789760"                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 17:18 |
| L12 | 3      | germanium adj monolayer\$1            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 17:21 |
| L13 | 422    | germanium adj layers                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 17:23 |
| L14 | 279986 | stacked                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 17:22 |
| L15 | 2      | 14 near 13                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 17:22 |
| L16 | 0      | stacked adj germanium adj layers      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 17:23 |
| L17 | 279986 | stacked                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 17:23 |
| L18 | 28     | 13 and 17                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 17:29 |
| L19 | 2      | energy-band near modifying near layer | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/27 17:30 |